

0 PARAG. 6

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER _____

GINNA STATION
UNIT #1
COMPLETED

DATE :-

TIME :-

PROCEDURE NO. PT-26 REV. NO. 2

CONTAINMENT FAN RECIRCULATION UNIT DEPA FILTER BANK TESTING

TECHNICAL REVIEW

FORC 9/18/78

Bullark
Q/C REVIEW

9-22-78
DATE

APPROVED FOR USE

Bruce A. Shaw
PLANT SUPERINTENDENT

SEP 25 1978
DATE

QA ✓ NON-QA _____ CATEGORY _____

LIFETIME _____ NONPERMANENT _____

REVIEWED BY _____ DATE _____

THIS PROCEDURE CONTAINS 7 PAGES

REC. CENTRAL RECORDS DATE _____

DISP. DATE _____

8009160 580

PERIODIC TEST PT-26CONTAINMENT FAN RECIRCULATION UNIT HEPA FILTER BANK TESTING1.0 PURPOSE:

- 1.1 To provide steps for Dioctyl Pthalate (DOP) testing of the Containment Fan Recirculation Hepa Filter Banks.

2.0 TEST REQUIREMENTS:

- 2.1 That each Hepa Filter Bank tested will exhibit a minimum efficiency of 99% based on the actual number of particles that penetrate the filter when the mixture of injected aerosol conforms in quantity and particle size as per reference 3.1 of this procedure.

3.0 REFERENCES:

- 3.1 ANSI M-101-197 "Efficiency testing of air cleaning systems containing devices for removal of particles".
- 3.2 Plant Technical Specifications - Sections 3.3.2.1, Items C and F; Section 4.5.2.3, Item D.
- 3.3 Final Facility Description and Safety Analysis Report; Section 6.3.
- 3.4 Nuclear Consulting Services, Procedure NUCON 040.

4.0 INITIAL CONDITIONS:

- 4.1 Plant may be at the Hot or Cold Shutdown status. _____
- 4.2 The Recirculation Fan Units may be operated as desired by testing personnel. _____
- 4.3 The exterior air inlet surface and roughing filters are free of dust accumulation. _____
- 4.4 Vendor certification required by purchase order prior to start of work has been submitted and found to be acceptable. P.O. # _____ QC Supervision _____
- 4.5 A sufficiently charged nitrogen bottle and/or pressurized air supply, with suitable pressure regulator is available. _____
- 4.6 A Health Physics Work Permit has been issued for the job. _____



5.0 PRECAUTIONS:

5.1 Plant radiation protection practices will be observed at all times.

5.2 Normal company work safety practices will be observed at all times.

6.0 INSTRUCTIONS:

NOTE: These instructions are common for all four Hepa banks and will be repeated when testing each individual unit.

UNIT UNDERGOING TEST

		A	B	C	D
6.1	Request operations to remove the desired fan from service and place control board operating selector switch in the "Pull-Stop" position.				
6.2	Ensure that properly filled out test tags are placed at the following locations.				
6.2.1	Control board operating selector switch.				
6.2.2	Remote start station.				
6.3	Completely inspect Hepa filter bank installation, paying particular attention to the following:				
6.3.1	Defective filter cells (i.e., indication of flow through holes and separator condition.				
6.3.2	Improperly installed gaskets and clamps.				
6.3.3	Air communication paths between upstream and downstream plenum. (i.e., filter frame cracks, separation of mounting frame from plenum housing conduit and/or pipe passageways).				



- [illegible]

UNIT UNDERGOING TEST

6.10 Pull a sample from downstream of the Hepa filter bank and determine penetration of DOP aerosol.

6.11 If the system shows the correct efficiency, the Hepa bank tested is ready for service. If not, make necessary repairs and/or cell replacement and retest.

Retest

A	B	C	D
_____ %	_____ %	_____ %	_____ %
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Corrective Actions and Comments.

Record the following and any other relevant observations for each unit tested.

- (1) Areas where leakage paths were repaired to assure satisfactory tests.
- (2) Quantity and location of Hepa filter cells which were replaced to assure satisfactory test.

A UNIT

B UNIT

C UNIT

D UNIT

COMPLETED BY: RG&E

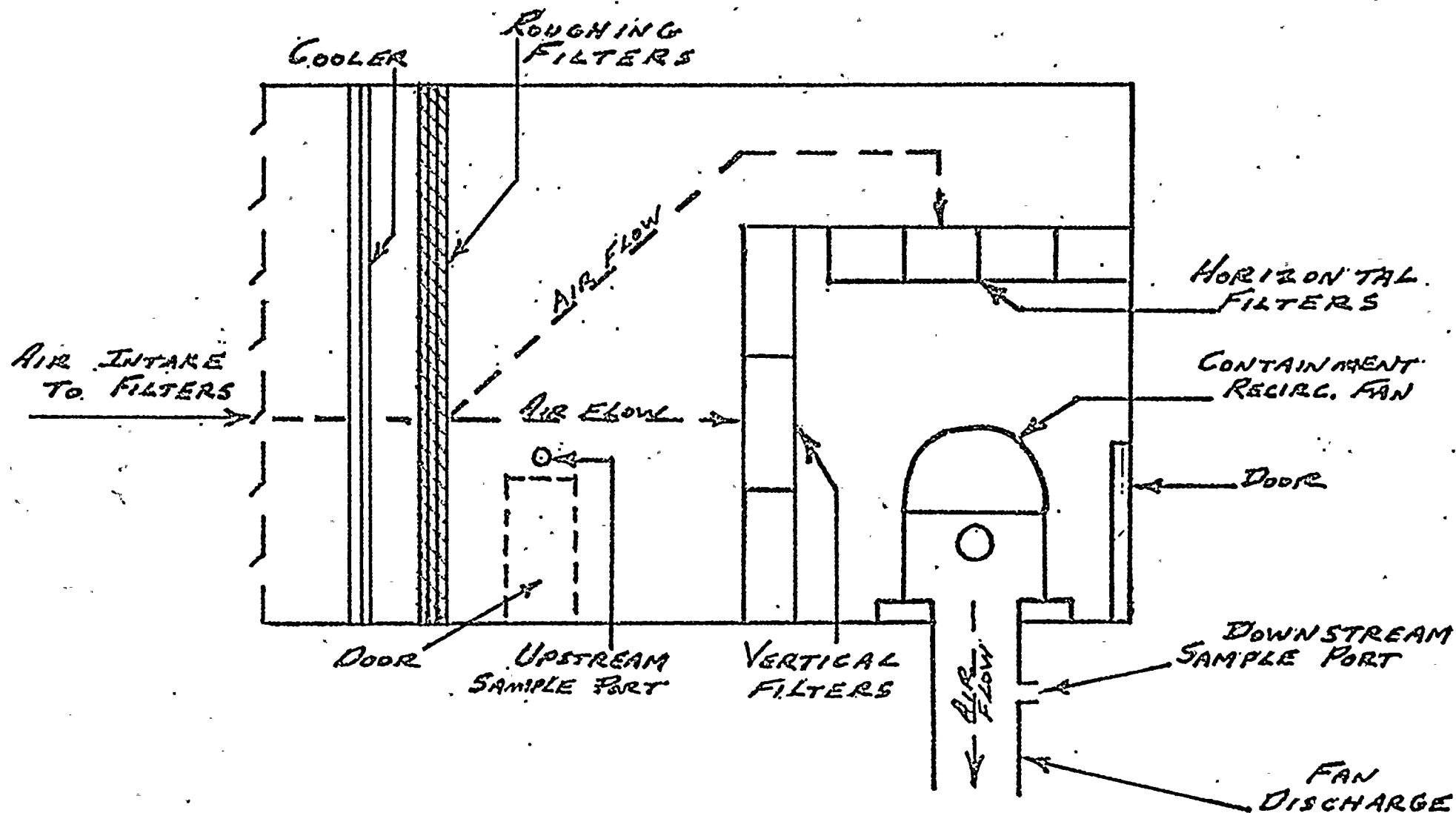
VENDOR: _____

DATE COMPLETED: _____

SHIFT FOREMAN: _____

RESULTS AND TEST REVIEW: _____

DATE: _____



TYPICAL SKETCH OF CONTAINMENT RECIRC. FAN UNITS
DENOTING UPSTREAM AND DOWNSTREAM SAMPLING PORTS